

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E41277

Employer : The Boeing Company

Worksite : The Boeing Company - Harbour Pointe

Street : 6500 W Harbour Heights Pkwy N

Jurisdiction : City of Mukilteo

Survey Date : 11/18/2013

SAMPLING

Survey Type : Online

Response Rate : 58%

Drive Alone & One-Way VMT Rates at this Worksite

Drive Alone : 83.5%

One-Way VMT per employee : 16.6

Employees and Survey Response Information

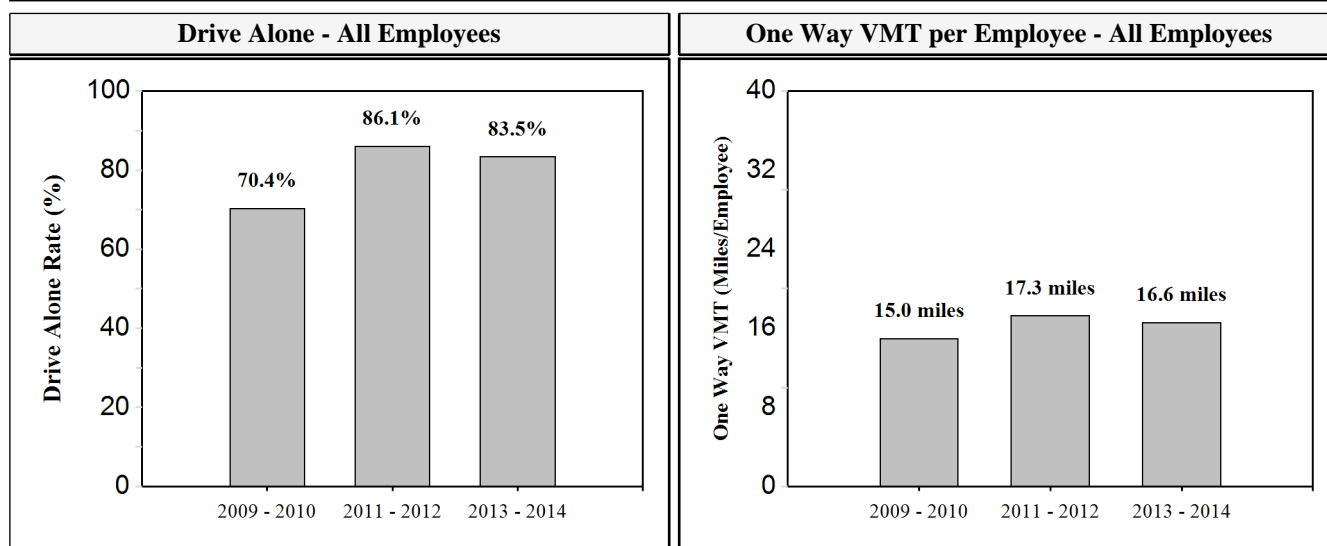
Reported Total Employees at Worksite: 1,494

Surveys Distributed : 1,189

Surveys Returned : 684

Surveys Returned by CTR Affected Employees : 648

Total Estimated CTR - Affected Employees at Worksite : 1,126



Site History and Goal

Cycle	Drive Alone - All	Drive Alone - CTR Affected	VMT / Employee - All	VMT / Employee - CTR Affected
2007 - 2008	N/A	N/A	N/A	N/A
2009 - 2010	70.4%	70.4%	15.0	15.0
2011 - 2012	86.1%	86.3%	17.3	17.2
2013 - 2014	83.5%	83.1%	16.6	16.6
2015 - 2016	N/A	N/A	N/A	N/A
2017 - 2018	N/A	N/A	N/A	N/A
2019 - 2020	N/A	N/A	N/A	N/A
Goal	TBD	TBD	TBD	TBD
Percent Change	18.6%	18.0%	10.7%	10.7%

Comparison Between Rates With and Without Fill-In

The survey response rate is indicated on Page 1. To encourage a response rate of at least 70%, additional drive alone trips are added to survey results for worksites with a response rate of less than 70%. For these worksites it is assumed that non-responding employees between the actual response rate and 70% drive alone 5 days a week. These additional trips represent the "Fill-In" applied. Note that fill-in is not applied to a worksite's first survey in the 2007 to 2012 cycle (their baseline survey).

	2009 - 2010	2011 - 2012	2011 - 2012 Without Fill In	2013 - 2014	2013 - 2014 Without Fill In
Drive Alone - All Employees*	70.4%	86.1%	79.5%	83.5%	83.5%
Drive Alone - CTR Affected Employees*	70.4%	86.3%	79.5%	83.1%	83.1%
VMT/Employee - All Employees	15.0	17.3	16.4	16.6	16.6
VMT/Employees - CTR Affected Employees	15.0	17.2	16.2	16.6	16.6

* Drive alone rate includes one person motorcycles.

GHG Emissions: Total for Drive Alone, Carpools, Vanpools

Annual Greenhouse Gas Emissions (Metric Tons CO₂e) for Roundtrip Commute*

Value	2009 - 2010	2011 - 2012	2013 - 2014
Emissions for Surveyed Employees	1,006	1,579	2,498
Estimated Emissions for Total Employment	1,902	5,675	5,456

* Estimated based on VMT from commuters driving alone, carpooling, vanpooling, or motorcycling, without fill-in applied.

Bus Transit Passenger Miles and Rail Transit Passenger Miles*

Annual Transit Passenger Miles (includes Roundtrip Commute)	2009 - 2010	2011 - 2012	2013 - 2014
Bus Annual Passenger Miles - Estimated for Total Employment	94,194	166,377	296,616
Bus Annual Passenger Miles - Surveyed Employees	49,800	46,300	135,800
Ferry Annual Passenger Miles - Estimated for Total Employment	0	256,932	115,982
Ferry Annual Passenger Miles - Surveyed Employees	0	71,500	53,100
Train/Light Rail/Streetcar Annual Passenger Miles - Estimated for Total Employment	0	15,811	0
Train/Light Rail/Streetcar Annual Passenger Miles - Surveyed Employees	0	4,400	0

* Transit passenger miles can be used to gauge changes in transit usage, and also to calculate greenhouse gas emissions from transit commute trips. However, emissions attributable to transit vary widely, depending on the efficiency/energy source of transit vehicles and transit vehicle passenger load (typically ranging from 0.1 to 0.9 pounds CO₂e emissions/passenger mile). Employers are strongly encouraged to contact their local transit agencies for more precise information on GHG emissions for their transit trips. If nothing else is available, the value of 0.47 pounds (0.00021 metric tons) per passenger mile can be used to estimate CO₂e emissions for bus transit, and 0.39 pounds (0.00018 metric tons) CO₂e emissions per passenger mile for train/light rail/streetcar.

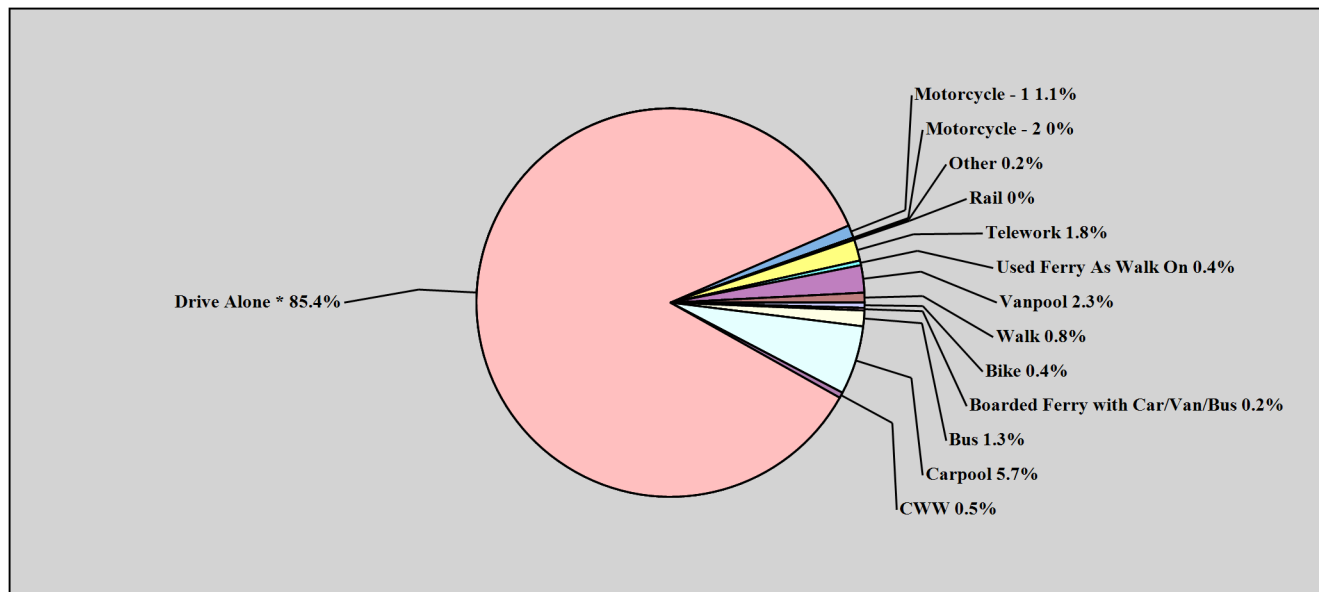
Q3.

One way, how many miles do you commute from home to your usual work location?
Average one-way distance home to work: 18.8 miles

Commute Trips By Mode - All Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



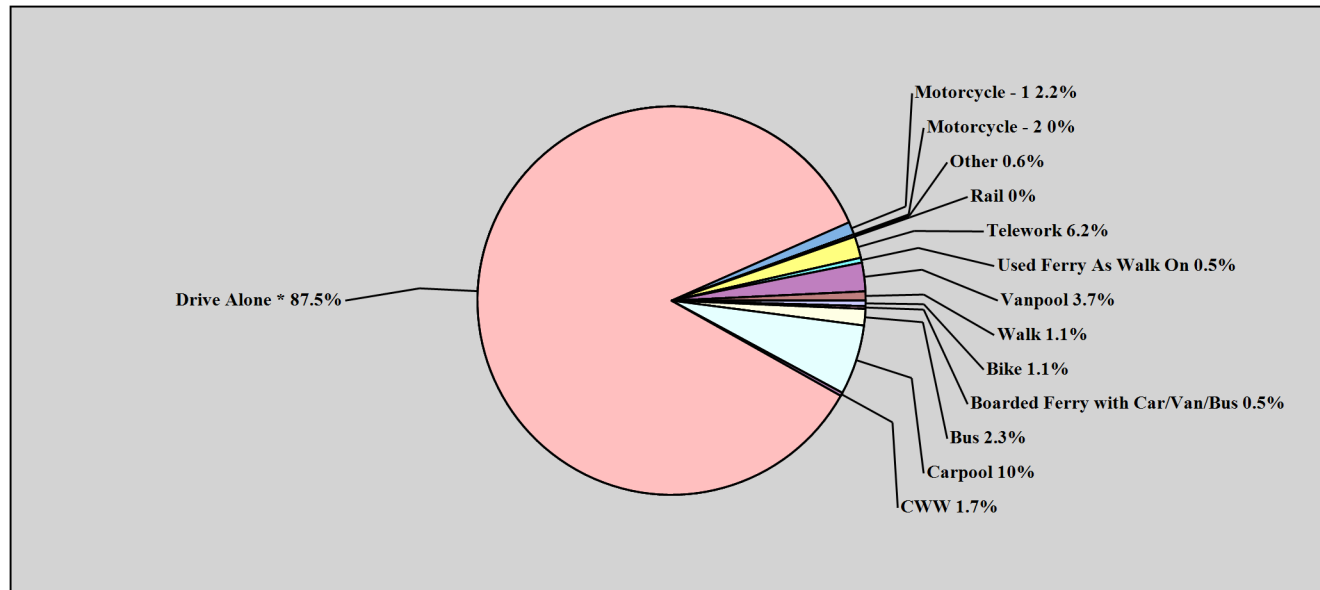
Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,533	85.4%	88.2%	602	88.0%	84.6%
Carpool	237	5.7%	4.6%	67	9.8%	12.2%
Vanpool	94	2.3%	1.7%	24	3.5%	3.7%
Motorcycle - 1	44	1.1%	1.3%	15	2.2%	3.7%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.2%
Bus	54	1.3%	0.7%	15	2.2%	1.9%
Rail	0	0.0%	0.0%	0	0.0%	0.2%
Bike	18	0.4%	0.2%	7	1.0%	0.9%
Walk	34	0.8%	1.1%	8	1.2%	2.6%
Telework	73	1.8%	1.0%	42	6.1%	7.5%
CWW	19	0.5%	0.1%	16	2.3%	0.9%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.4%	3	0.4%	0.7%
Used Ferry As Walk On	16	0.4%	0.1%	3	0.4%	0.2%
Other	8	0.2%	0.5%	4	0.6%	2.3%

* Drive alone mode includes fill-in, where applicable.

Commute Trips By Mode - Affected Employees

Q.4a: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - Affected Employees



Mode	Trips During This Survey Week	% of Trips During This Survey Week	% of Trips During Previous Survey Week	Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During This Survey Week	% of Employees Who Used This Mode at Least Once During Previous Survey Week
Drive Alone *	3,366	85.2%	88.7%	567	87.5%	85.1%
Carpool	230	5.8%	4.3%	65	10.0%	11.9%
Vanpool	94	2.4%	1.7%	24	3.7%	4.0%
Motorcycle - 1	42	1.1%	1.2%	14	2.2%	3.2%
Motorcycle - 2	0	0.0%	0.0%	0	0.0%	0.2%
Bus	54	1.4%	0.7%	15	2.3%	2.0%
Rail	0	0.0%	0.0%	0	0.0%	0.2%
Bike	18	0.5%	0.2%	7	1.1%	1.0%
Walk	30	0.8%	1.1%	7	1.1%	2.7%
Telework	71	1.8%	1.0%	40	6.2%	7.4%
CWW	11	0.3%	0.1%	11	1.7%	1.0%
Boarded Ferry with Car/Van/Bus	9	0.2%	0.4%	3	0.5%	0.7%
Used Ferry As Walk On	16	0.4%	0.1%	3	0.5%	0.2%
Other	8	0.2%	0.5%	4	0.6%	2.2%

* Drive alone mode includes fill-in, where applicable.



Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	515	75%	684	100%
1 Days	41	6%	169	25%
2 Days	22	3%	128	19%
3 Days	20	3%	106	15%
4 Days	17	2%	86	13%
5 Days	66	10%	69	10%
6 or More Days	3	0%	3	0%

Work Schedules By Group - All Employees (This table shows the relationship between work schedule and commute mode)

Employees who worked:	Drive Alone 5 days / week		Drive Alone 3 or 4 days / week		Used Bus At Least 3 days / week		Carpooled At Least 3 days / week		Used Rail At Least 3 days / week		Vanpooled At Least 3 times / week		Biked or Walked At Least 3 Days / week		Used 'Other' Modes At Least 3 Days / week		Used Non- Drive Alone At Least 3 Days / week	
5 days a week	400	66.3%	63	10.4%	11	1.8%	41	6.8%	0	0%	18	3%	11	1.8%	1	0.2%	96	15.9%
4 days a week (4/10s)	4	21.1%	12	63.2%	0	0%	1	5.3%	0	0%	0	0%	0	0%	0	0%	1	5.3%
3 days a week	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
9 days in 2 weeks (9/80)	16	43.2%	11	29.7%	1	2.7%	5	13.5%	0	0%	1	2.7%	0	0%	0	0%	8	21.6%
7 days in 2 weeks	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%
Other	6	35.3%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	1	5.9%

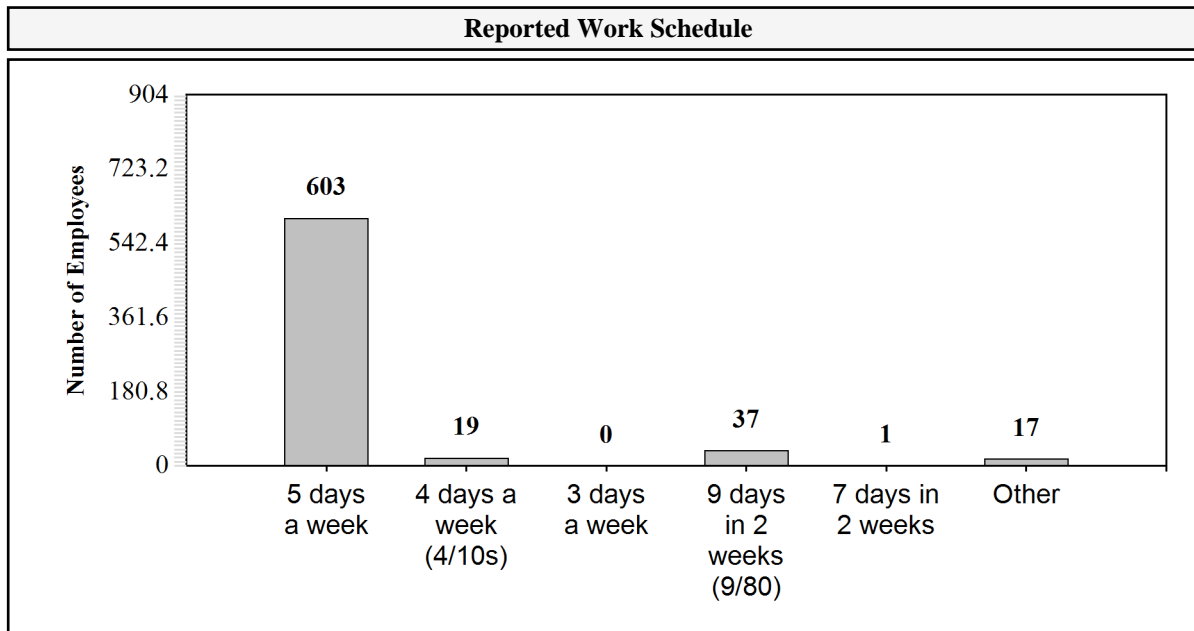
Count by Occupancy of Carpools, Vanpools, and Motorcycles

Q.4b If you used a carpool or vanpool as part of your commute, or if you ride a motorcycle, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
1	Motorcycle	45
2	Motorcycle	0
2	Carpool	223
3	Carpool	11
4	Carpool	0
5	Carpool	0
>5	Carpool	3
<5	Vanpool	39
5	Vanpool	9
6	Vanpool	20
7	Vanpool	0
8	Vanpool	10
9	Vanpool	2
10	Vanpool	9
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
15	Vanpool	5

Reported Work Schedule - All Employees

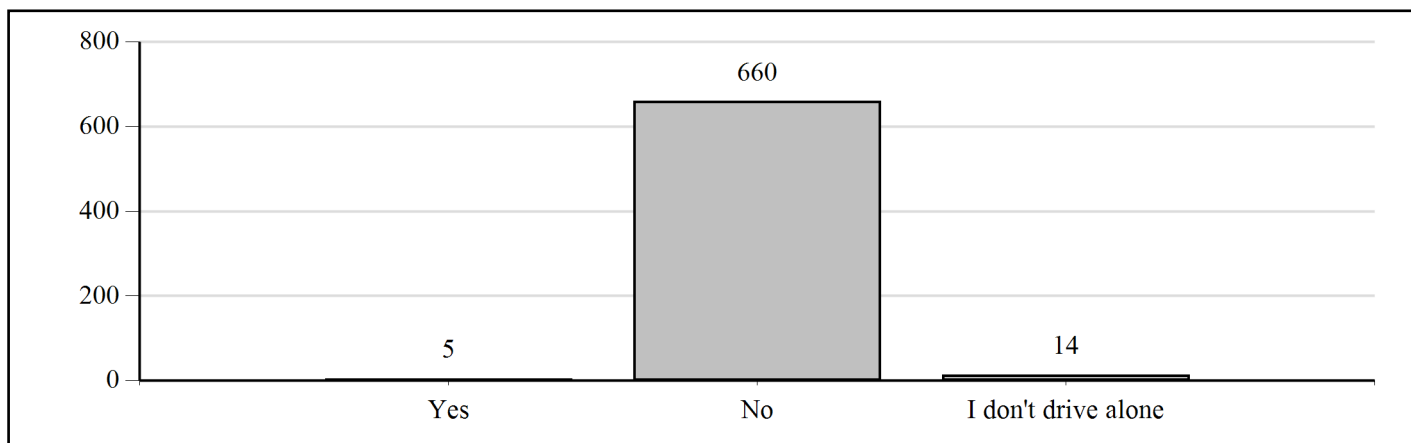
Q.5 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	603	89.1%
4 days a week (4/10s)	19	2.8%
3 days a week	0	0%
9 days in 2 weeks (9/80)	37	5.5%
7 days in 2 weeks	1	0.1%
Other	17	2.5%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	3	0.4%
I don't telework	335	49.0%
Occasionally, on an as-needed basis	274	40.1%
1-2 days/month	27	3.9%
1 day/week	27	3.9%
2 days/week	10	1.5%
3 days/week	8	1.2%

Reasons for driving alone to work/not driving alone to work

Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
To save money	212	15.5%
I have the option of teleworking	170	12.4%
To save time using the HOV lane	168	12.3%
Personal health or well-being	135	9.8%
Other	124	9.0%
Financial incentives for carpooling, bicycling or walking.	121	8.8%
Environmental and community benefits	109	8.0%
Free or subsidized bus, train, vanpool pass or fare benefit	90	6.6%
Cost of parking or lack of parking	76	5.5%
Driving myself is not an option	63	4.6%
Emergency ride home is provided	51	3.7%
Preferred/reserved carpool/vanpool parking is provided	41	3.0%
I receive a financial incentive for giving up my parking space	11	0.8%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	454	26.8%
I like the convenience of having my car	415	24.5%
Family care or similar obligations	194	11.4%
My commute distance is too short	186	11.0%
Other	180	10.6%
Bicycling or walking isn't safe	115	6.8%
My job requires me to use my car for work	87	5.1%
I need more information on alternative modes	54	3.2%
There isn't any secure or covered bicycle parking	11	0.6%

Employee Transit Use - All Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	1	9	0	0	4	0	1	5
2	3	0	0	7	0	0	3	1	3	4
3	2	0	0	1	0	0	0	0	1	0
4	2	1	0	2	0	0	0	0	1	2
5	2	1	0	1	0	0	0	0	1	1
6	1	0	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	0	0	0	0
8	2	0	0	2	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0
10	3	0	0	1	0	0	0	0	4	4
11 or more	1	1	0	0	0	0	0	0	1	0
# Of Employees using Transit	19	3	1	23	0	0	7	1	13	18
Total One-Way Transit Trips Per Week	111	29	1	65	0	0	10	2	77	82

Employee Transit Use - Affected Employees

Q 13. Please indicate the number of one-way transit or walk-on ferry trips you took last week on each system listed below (for any purpose, not just getting to and from work). Please select "Other" if your transit isn't listed.

Trips/Week	Employees Making This Many Transit Trips in a Week									
	Community Transit	Everett Transit	Intercity Transit	King County Metro	Kitsap Transit	Pierce Transit	Sound Transit	Whatcom Transportation Authority	Ferry as Walk-On	Other
1	3	0	1	8	0	0	4	0	1	4
2	3	0	0	7	0	0	3	1	3	4
3	2	0	0	1	0	0	0	0	1	0
4	2	1	0	2	0	0	0	0	1	1
5	2	1	0	1	0	0	0	0	1	1
6	1	0	0	0	0	0	0	0	1	0
7	0	0	0	0	0	0	0	0	0	0
8	2	0	0	2	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0
10	3	0	0	1	0	0	0	0	4	4
11 or more	1	1	0	0	0	0	0	0	1	0
# Of Employees using Transit	19	3	1	22	0	0	7	1	13	16
Total One-Way Transit Trips Per Week	111	29	1	64	0	0	10	2	77	77

Commute Mode By ZipCode for All Employees

Q8. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
	2	0.29%	10	0	0	0	0	0	0	0	0	0	0	0	0
90808	1	0.15%	0	0	0	0	0	0	0	0	5	0	0	0	0
98001	2	0.29%	3	0	0	2	0	0	0	0	5	0	0	0	0
98004	5	0.73%	17	3	0	4	0	0	0	0	0	1	0	0	0
98005	2	0.29%	9	0	0	0	0	0	0	0	0	0	1	0	0
98006	4	0.58%	13	0	2	0	5	0	0	0	0	0	0	0	0
98007	3	0.44%	11	0	4	0	0	0	0	0	0	0	0	0	0
98008	5	0.73%	20	0	5	0	0	0	0	0	0	0	0	0	0
98011	6	0.88%	25	4	0	0	0	0	0	0	0	0	0	0	0
98012	45	6.58%	202	15	0	2	0	0	1	0	4	1	0	0	0
98014	1	0.15%	4	0	0	0	0	0	0	0	1	0	0	0	0
98020	11	1.61%	46	8	0	0	0	0	0	0	0	0	0	0	0
98021	11	1.61%	45	5	0	4	0	0	0	0	0	0	0	0	0
98022	1	0.15%	3	0	0	0	0	0	0	0	0	0	0	0	2
98024	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98026	17	2.49%	72	2	0	0	5	0	1	0	0	1	0	0	0
98027	6	0.88%	24	0	4	0	0	0	0	0	1	0	0	0	0
98028	8	1.17%	36	0	0	2	0	0	0	0	0	0	0	0	0
98029	1	0.15%	4	0	1	0	0	0	0	0	0	0	0	0	0
98030	1	0.15%	4	1	0	0	0	0	0	0	0	0	0	0	0
98031	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98032	2	0.29%	5	0	0	0	4	0	0	0	0	1	0	0	0
98033	6	0.88%	21	5	5	0	0	0	0	0	0	0	0	0	0
98034	14	2.05%	57	8	0	0	0	0	0	0	3	0	0	0	0
98036	14	2.05%	68	0	0	3	0	0	0	0	0	0	0	0	0
98037	15	2.19%	74	0	0	2	4	0	0	0	0	0	0	0	0



98038	4	0.58%	19	0	0	0	0	0	0	0	1	0	0	0	0
98040	4	0.58%	21	0	0	0	0	0	0	0	0	0	0	0	0
98042	4	0.58%	19	2	0	0	0	0	0	0	0	1	0	0	0
98043	3	0.44%	16	0	0	0	0	0	0	0	0	0	0	0	0
98051	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98052	7	1.02%	36	0	0	0	0	0	0	0	1	0	0	0	0
98053	3	0.44%	14	0	0	0	0	0	0	0	1	0	0	0	0
98055	2	0.29%	7	0	0	0	0	0	0	0	0	0	0	0	0
98056	4	0.58%	21	0	0	0	0	0	0	0	0	0	0	0	0
98058	4	0.58%	18	2	0	0	0	0	0	0	0	0	0	0	0
98059	9	1.32%	27	5	0	0	4	0	0	0	3	0	0	0	0
98065	1	0.15%	2	0	5	0	0	0	0	0	0	0	0	0	0
98072	8	1.17%	35	0	0	0	0	0	0	0	0	0	0	0	0
98074	8	1.17%	32	4	5	0	0	0	0	0	1	0	0	0	0
98075	2	0.29%	4	4	0	0	0	0	0	0	1	0	0	0	0
98077	4	0.58%	16	3	0	0	0	0	0	0	0	0	0	0	0
98087	17	2.49%	66	17	0	0	0	0	0	0	5	0	0	0	0
98092	2	0.29%	7	2	0	0	0	0	0	0	1	0	0	0	0
98101	3	0.44%	10	0	5	0	0	0	0	0	1	0	0	0	0
98102	4	0.58%	17	2	0	0	0	0	0	0	1	0	0	0	0
98103	5	0.73%	23	0	2	0	0	0	0	0	0	0	0	0	0
98105	6	0.88%	20	5	0	0	5	0	0	0	0	0	0	0	0
98107	5	0.73%	23	0	1	0	0	0	0	0	0	1	0	0	0
98109	3	0.44%	9	5	0	0	0	0	0	0	0	0	0	0	0
98115	14	2.05%	59	0	10	0	0	0	1	0	0	1	0	0	0
98116	1	0.15%	0	0	0	0	0	0	0	0	0	0	0	0	0
98117	6	0.88%	25	1	0	0	0	0	0	0	3	0	0	0	0
98118	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98121	2	0.29%	5	0	5	0	0	0	0	0	0	0	0	0	0
98122	1	0.15%	4	0	0	0	0	0	0	0	0	0	0	0	0
98125	8	1.17%	36	0	0	2	0	0	0	0	0	1	0	0	0
98133	12	1.75%	54	1	0	0	0	0	0	0	0	0	0	0	0
98136	1	0.15%	3	0	0	0	0	0	0	0	2	0	0	0	0
98144	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98146	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98155	4	0.58%	18	0	0	0	0	0	0	0	0	0	0	0	0
98166	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0



98177	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98178	2	0.29%	6	0	4	0	0	0	0	0	0	0	0	0	0
98198	2	0.29%	5	0	5	0	0	0	0	0	0	0	0	0	0
98199	2	0.29%	5	0	0	0	0	0	0	0	0	0	0	0	0
98201	10	1.46%	37	6	0	3	4	0	0	0	2	0	0	0	0
98203	32	4.68%	139	17	0	0	0	0	0	0	2	3	0	0	3
98204	19	2.78%	87	0	0	5	0	0	2	0	0	0	0	0	0
98208	42	6.14%	179	19	0	4	0	0	0	0	1	1	0	0	0
98221	2	0.29%	5	0	5	0	0	0	0	0	0	0	0	0	0
98223	14	2.05%	60	0	5	0	5	0	0	0	2	0	0	0	0
98226	2	0.29%	7	0	1	0	0	0	0	0	0	0	0	0	0
98236	2	0.29%	0	0	0	0	0	0	0	0	1	0	4	5	0
98239	2	0.29%	0	0	0	0	4	0	0	0	1	0	0	6	0
98241	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98249	1	0.15%	0	0	0	0	0	0	0	0	0	0	0	5	0
98252	4	0.58%	20	0	0	0	0	0	0	0	0	0	0	0	0
98257	1	0.15%	0	5	0	0	0	0	0	0	0	0	0	0	0
98258	28	4.09%	135	1	0	0	0	0	5	0	0	5	0	0	0
98260	4	0.58%	0	5	0	0	10	0	3	0	2	0	0	0	0
98270	24	3.51%	91	32	0	0	0	0	0	0	0	0	0	0	0
98271	13	1.90%	38	23	0	0	0	0	0	0	3	0	0	0	0
98272	6	0.88%	29	0	0	0	0	0	0	0	1	0	0	0	0
98273	2	0.29%	5	5	0	0	0	0	0	0	0	0	0	0	0
98274	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98275	55	8.04%	211	2	5	1	0	0	5	34	12	2	0	0	0
98282	6	0.88%	16	1	7	0	4	0	0	0	2	0	0	0	0
98284	2	0.29%	4	4	0	0	0	0	0	0	0	0	0	0	1
98290	11	1.61%	53	3	0	0	0	0	0	0	0	0	0	0	0
98292	7	1.02%	27	0	8	0	0	0	0	0	0	0	0	0	0
98294	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98296	25	3.65%	108	10	0	7	0	0	0	0	0	0	0	0	2
98346	1	0.15%	5	0	0	0	0	0	0	0	0	0	0	0	0
98364	1	0.15%	0	0	0	0	0	0	0	0	1	0	4	0	0
98370	2	0.29%	0	0	0	4	0	0	0	0	1	0	0	0	0
98382	1	0.15%	3	0	0	0	0	0	0	0	2	0	0	0	0
98422	2	0.29%	10	0	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.15%	6	0	0	0	0	0	0	0	0	0	0	0	0



99173	1	0.15%	7	0	0	0	0	0	0	0	0	0	0	0	0
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